

Solar cell roof tile

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Abstract

The roof tile, incorporating a solar cell to gather solar energy, has a transparent plastics film passing wholly round the solar cell and/or roof tile to give the solar cell a durable protection against mechanical damage and damage through the effects of the environment. It is immovable and durably attached to the tile. The contacts for the solar cells, are at the back of the tile sealed against steam diffusion. The tile is of alternative materials, in a natural appearance, such as of duroplastics, thermoplastics, elastomer or metal materials. The film is resistant to ultra violet, and can have a ceramic coating for self-cleaning.

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